



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

US Aluminum – Division of CR Laurence Company, Inc.

7500 N.W. 69 Avenue

Miami, FL 33166

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "BAL-350" Single Outswing Aluminum Entrance Door - L.M.I.

APPROVAL DOCUMENT: Drawing No. W04-72, titled "Series 'BAL-350' Alum. Out-Swing Door (L.M.I.)", sheets 1 through 5 of 5, dated 08/13/04, with revision "C" dated 03/26/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA# 12-0405.08 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
5/28/15

NOA No. 15-0303.01
Expiration Date: March 24, 2016
Approval Date: May 28, 2015
Page 1

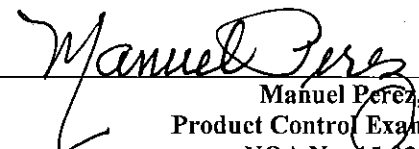
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 05-0110.01)
2. Drawing No. W04-72, titled "Series 'BAL-350' Alum. Out-Swing Door (L.M.I.)", sheets 1 through 5 of 5, dated 08/13/04, with revision "C" dated 03/23/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 12-0405.08)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
5) Large Missile Impact Test per FBC, TAS 201-94
6) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of alum. outswing & inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5047** dated 11/09/06, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 08-0618.04)
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of alum. outswing & inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4320** dated 09/15/04, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 05-0110.01)
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
7) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
8) Water Resistance Test, per FBC, TAS 202-94
9) Large Missile Impact Test per FBC, TAS 201-94
10) Cyclic Wind Pressure Loading per FBC, TAS 203-94
11) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of alum. outswing & inswing entrance doors, prepared by Fenestration Testing Laboratory, Inc., Test Reports No. **FTL-4263**, dated 07/20/04, signed and sealed by Edmundo J. Largaespada, P.E.
(Submitted under NOA No. 05-0110.01)



Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0303.01

Expiration Date: March 24, 2016
Approval Date: May 28, 2015

US Aluminum – Division of CR Laurence Company, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC-2010**, prepared by Al-Farooq Corporation, dated 04/05/12, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 12-0405.08)
2. Glazing complies with **ASTM E1300-04**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

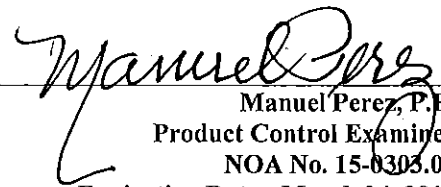
1. Notice of Acceptance No. **14-0423.15** issued to **Eastman Chemical Company (MA)** for their “**Saflex CP - Saflex and Saflex HP Composite Glass Interlayers with PET Core**” dated 06/19/14, expiring on 12/11/18.

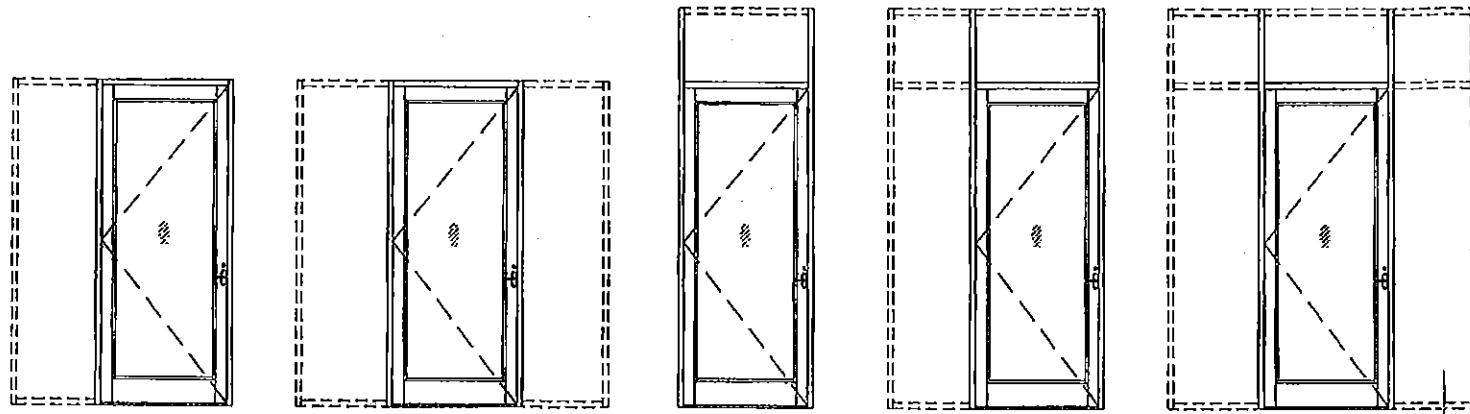
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-2010**, and of no financial interest, issued by Al-Farooq Corporation, dated 03/28/15, signed and sealed by Javad Ahmad, P.E.
(Submitted under previous NOA No. 12-0405.08)
2. Letter issued by Al-Farooq Corporation, requesting a 1-year extension to allow time to perform verification test, dated 02/25/15, signed by Javad Ahmad, P.E., Chief Engineer.
3. Testing agreement letter, dated 02/03/15 between Architectural Testing, Inc. / Intertek and C.R. Laurence Co., issued by Architectural Testing, Inc. / Intertek and signed by Jarod S. Hardman, Laboratory Manager.

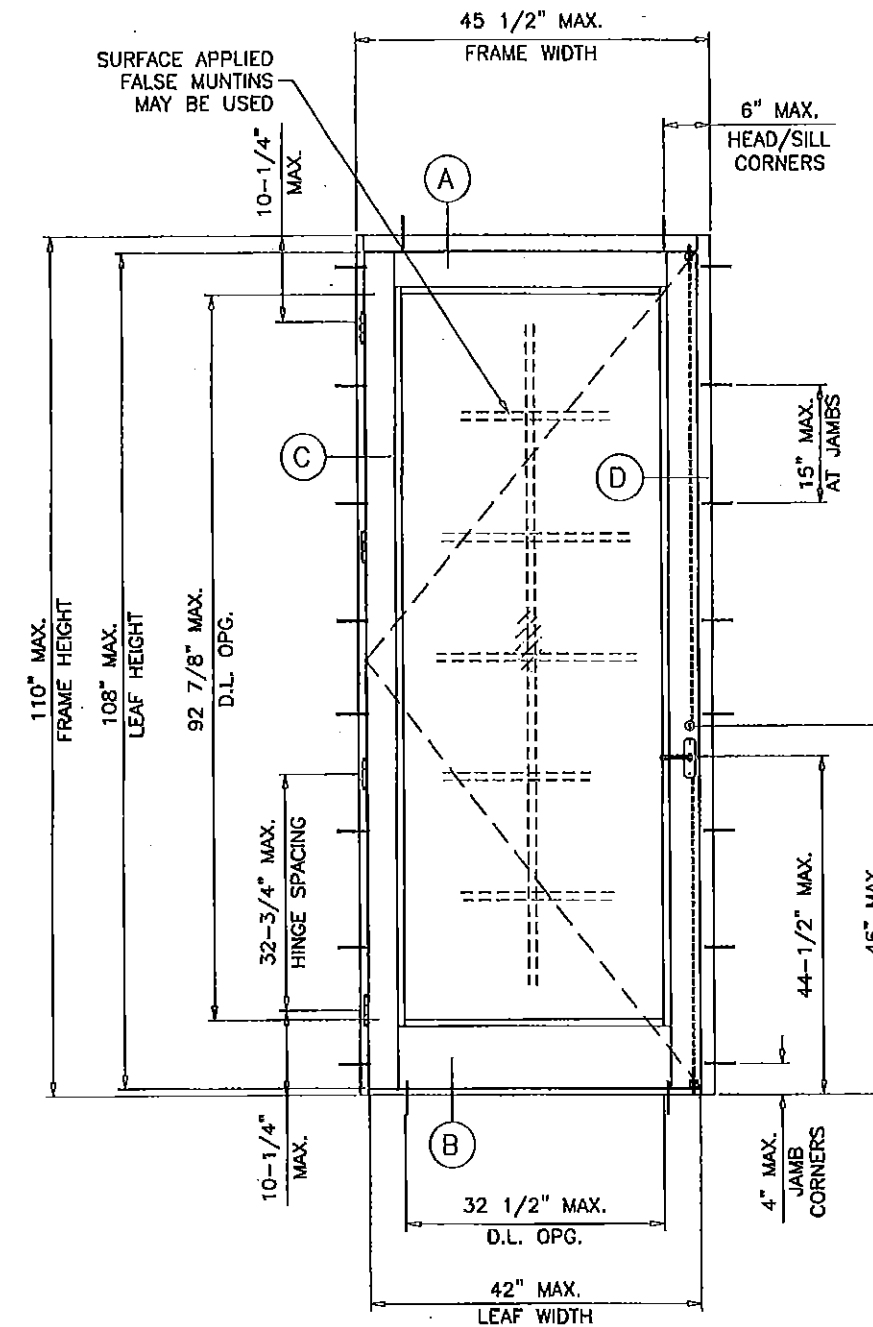
G. OTHERS

1. Notice of Acceptance No. **12-0405.08**, issued to US Aluminum - Division of CR Laurence Company, Inc. for their Series “**BAL-350**” Outswing Aluminum Storefront Door - L.M.I., approved on 07/05/12 and expiring on 03/24/15.
2. One year approval, subjected to successful verification test.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0303.01
Expiration Date: March 24, 2016
Approval Date: May 28, 2015

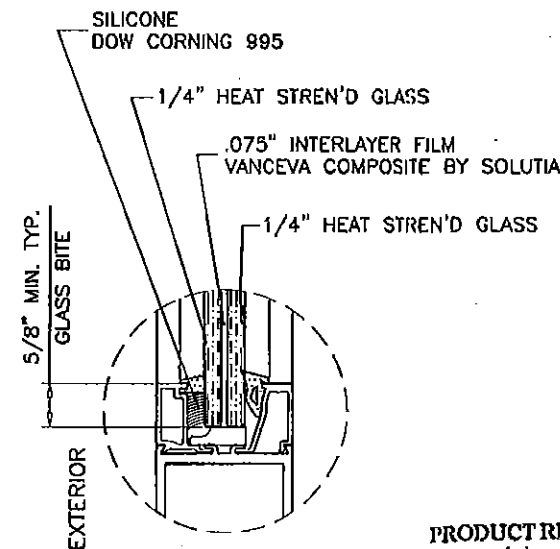


BALCONY DOOR CAN BE USED WITH TRANSOM AND SIDELITES.
FOR LIMITATIONS SEE SEPARATE MIAMI-DADE COUNTY NOA.



(X)
TYPICAL ELEVATION

MAXIMUM DESIGN LOAD RATING = + 100.0 PSF
(FOR SIZES SHOWN ABOVE OR SMALLER) ~ 100.0 PSF
AS PERMITTED BY FBC



GLAZING DETAIL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0405.08
Expiration Date 03/24/2015
By *Manuel Perez*
Miami Dade Product Control

Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3518

LAMINATED GLASS
LARGE MISSILE IMPACT

PRODUCT RENEWED
as complying with the Florida
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Acceptance No. 15-0303.01
Expiration Date March 24, 2016
By *Manuel Perez*
Miami Dade Product Control

Javad Ahmad
05/05/2012

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W04-72DD

Series 'BAL-350' Aluminum Out-Swing Door (L.M.I.)
US Aluminum
Division Of C.R. Laurence Co., Inc.
7500 N.W. 69TH AVE.
MIAMI, FL 33166
TEL (305) 888-0077 FAX (305) 884-3111

no.	date	by	description
A	06.05.08		UPDATED FOR 2007 FBC
B	12.14.09		ENGR. NAME CHANGED
C	03.26.12		UPDATED TO 2010 FBC

date: 08-13-04	scale: 1/2"=1'-0"	dr. by: HAMID	chk. by:
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drawing no.
W04-72
sheet 1 of 5

SERIES BAL-350 ALUMINUM OUT-SWING ENTRANCE DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

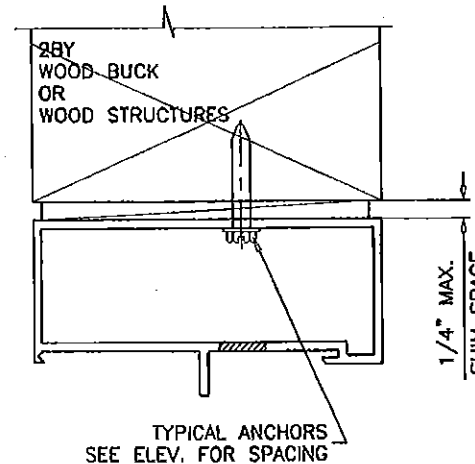
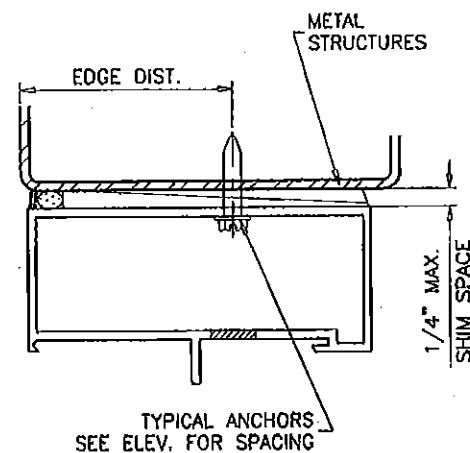
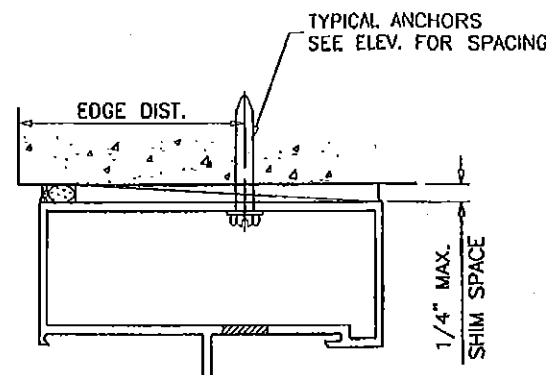
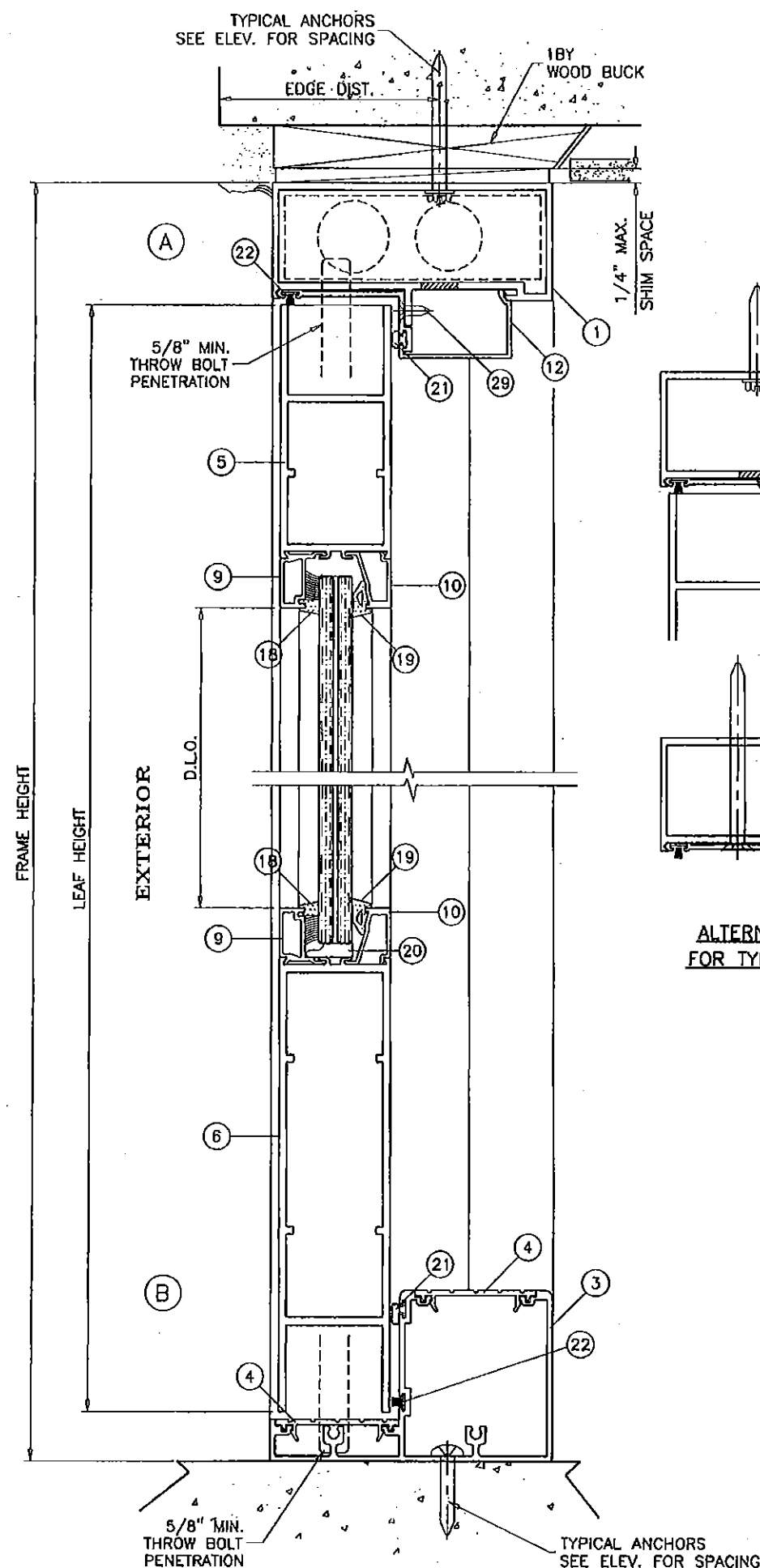
WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' - 1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
 1-1/4" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'B' - 1/4" DIA. ULTRACON BY 'ELCO'
 DIRECTLY INTO CONC. OR MASONRY
 1-3/8" MIN. EMBED INTO CONC. OR MASONRY

TYPE 'C' - #14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO METAL STRUCTURES
 STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
 ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

SEALANTS:

FRAME CORNERS, ASSEMBLY SCREWS AND HEADS OF
 ANCHOR SCREWS AT SILL TO BE SEALED WITH SEALER.
 LEAF JOINTS SEALED WITH SILICONE.

LOCK:

THREE POINT LOCK SYSTEM WITH SURFACE MOUNT
 HANDLE AT 44-1/2" FROM BOTTOM.

DEAD BOLT LOCK KEY OPERATED ON EXTERIOR AND
 THUMBTURN ON INTERIOR, AT 46" FROM BOTTOM.

PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No. **12-0405.08**
 Expiration Date **03/24/2015**
 By **Manuel Perez**
 Miami Trade Product Control

Engr: JAVAD AHMAD
 CIVIL
 FLA. PE # 70592
 C.A.N. 3538

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WOOD BUCKS AND METAL STRUCTURES NOT BY US ALUMINUM
 MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
 TRANSFER THEM TO THE BUILDING STRUCTURE.

af c
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 1235 S.W. 87 AVE
 MIAMI, FLORIDA 33174
 TEL (305) 264-8100 FAX (305) 262-6978
 COMP-ANL\W04-72DD

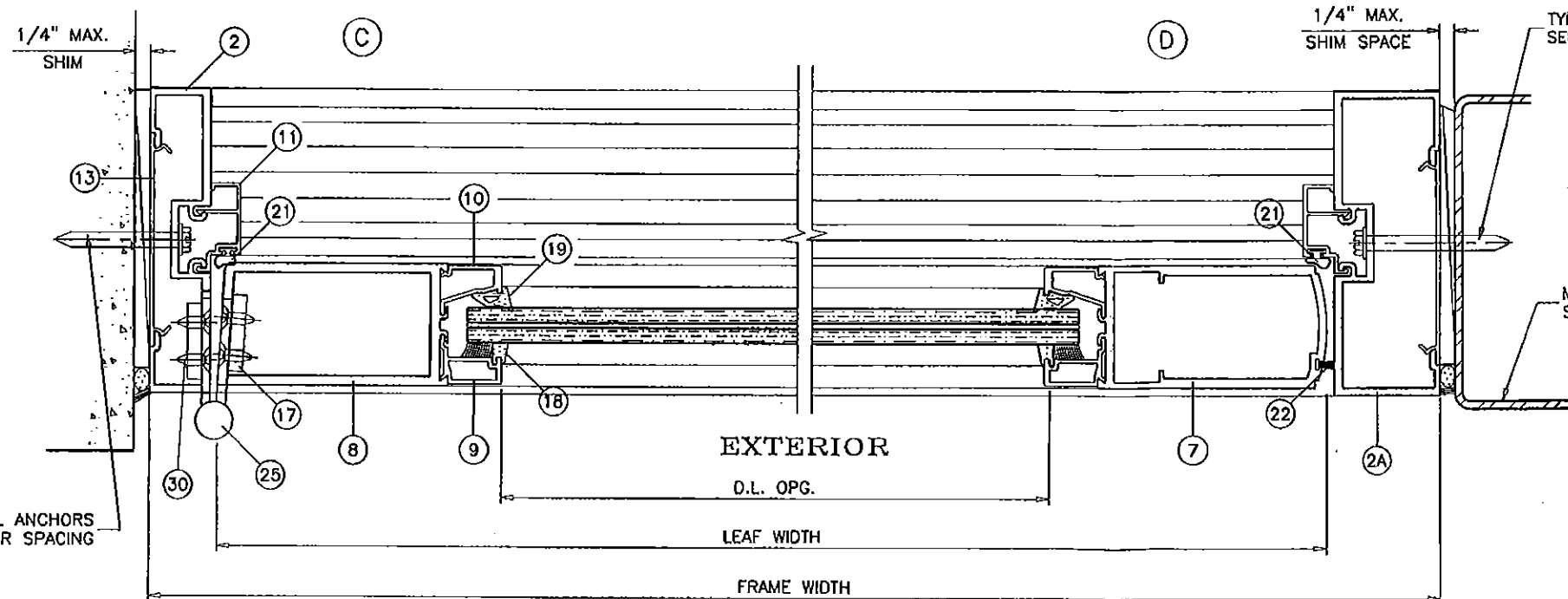
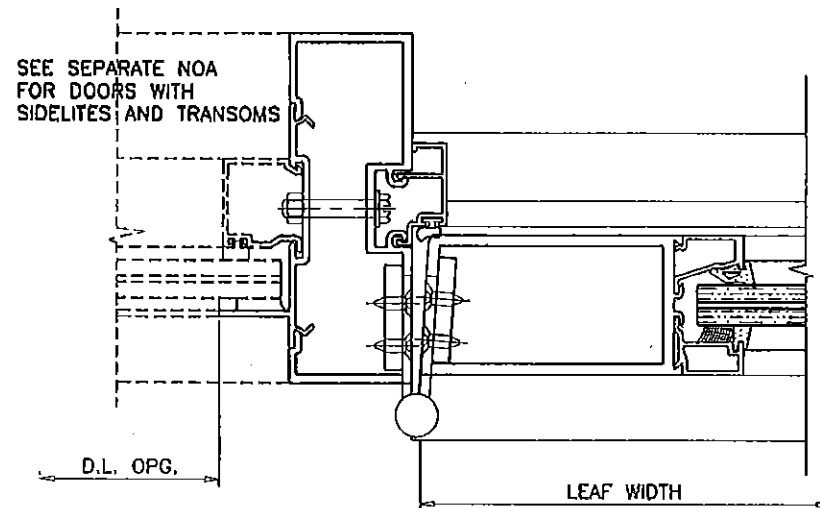
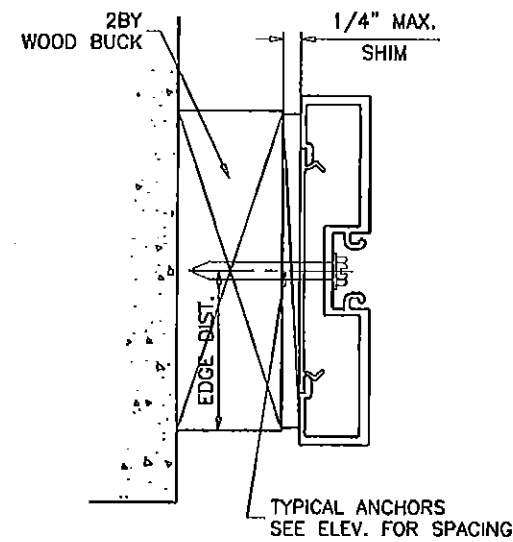
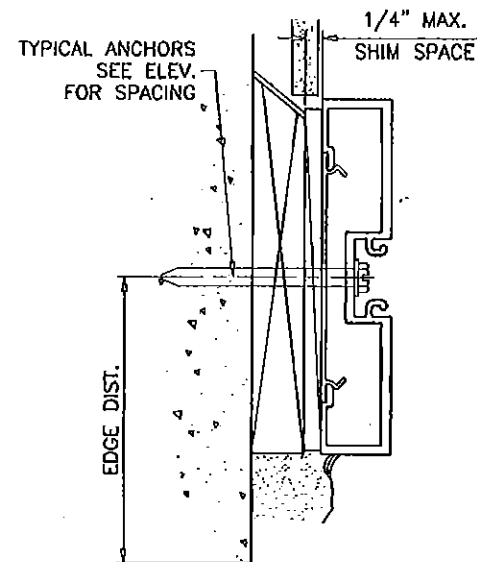
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 US Aluminum
 Division Of C.R. Laurence Co., Inc.
 7500 N.W. 69TH AVE.
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revisions:	no	date	by	description
	A	06.05.08		UPDATED FOR 2007 FBC
	B	12.14.09		ENGR. NAME CHANGED
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date: 08-13-04
 scale: 3/8" = 1"
 dr. by: HAMID
 chk. by:

drawing no.
W04-72

sheet 2 of 5



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	DLD-105	1	FRAME HEAD	6063-T6	-
2	DLD-119	2	FRAME JAMB	6063-T6	-
2A	DLD-124	2	ALT. FRAME JAMB	6063-T6	-
3	DLD-122	1	FRAME SILL	6063-T6	-
4	DLD-123	1	SILL FILLER	6063-T6	-
5	DLD-107M	1/ LEAF	TOP RAIL	6063-T6	-
6	DLD-110M	1/ LEAF	BOTTOM RAIL	6063-T6	-
7	DLD-115	1/ LEAF	LOCK STILE	6063-T6	-
8	DLD-114	1/ LEAF	HINGE STILE	6063-T6	-
9	DLD-108M	4/ LEAF	EXTERIOR GLASS STOP	6063-T6	-
10	DLD-109M	4/ LEAF	INTERIOR GLASS STOP	6063-T6	-
11	BCE-460	2/ DOOR	DOOR STOP JAMB	6063-T6	-
12	DLD-106	1/ DOOR	DOOR STOP HEAD	6063-T6	-
13	BCE-475	AS REQD.	FLAT FILLER, 2-1/2" LONG	6063-T6	AT ANCHOR LOCATIONS
15	-	-	SHEAR BLOCK, 4-11/16" LONG	ALUMINUM	-
16	DLD-3	-	SHEAR CLIP	6063-T5	-
17	-	-	HINGE REINFORCING PLATE	ALUMINUM	1-1/4" X 1/4" X 8" LONG
18	TR-5399S	-	EXTERIOR GASKET	SILICONE	-
19	TR-3235E	-	INTERIOR GASKET	EPDM	-
20	995	-	GLAZING COMPOUND	SILICONE	DOW CORNING
21	E236	AS REQD.	BULB W'STRIPPING POLYPROPYLENE BASE, TPE BULB	-	ULTRAFAB BASE DURO 90, BULB DURO 73
22	T4216-K	AS REQD.	PILE W'STRIPPING	-	-
24	1350	-	SETTING BLOCK	-	-
25	-	4/ LEAF	BUTT HINGES (4-1/2" X 4")	-	HAGER USA
26	#12 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	P.H. SMS
27	#12 X 1-1/4"	AS REQD.	FRAME ASSEMBLY SCREWS	-	F.H. SMS
28	1/4-20 X 5/8"	AS REQD.	FRAME ASSEMBLY SCREWS	-	H.H. MACHINE SCREWS
29	10-24 X 1/2"	4/ LEAF	DOOR STOP SCREWS	-	F.H. MACHINE SCREWS
30	12-24 X 1/2"	4/ HASP	HINGE INSTALLATION SCREWS	-	F.H. MACHINE SCREWS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0405.08
Expiration Date 03/24/2016
By: *Manuel Serrano*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

APR 25 2012

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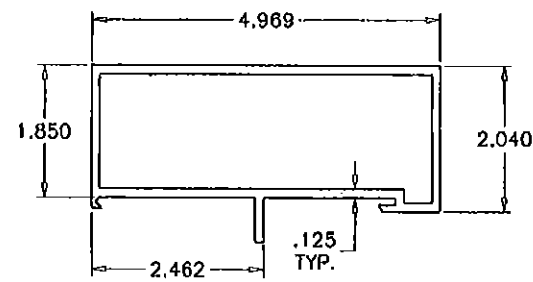
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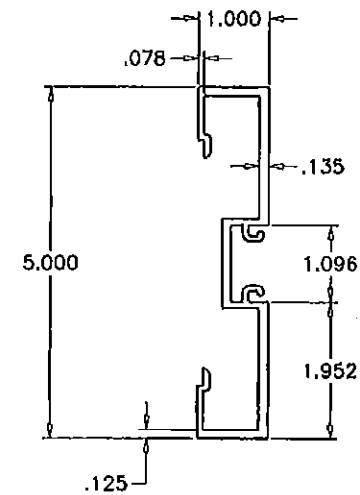
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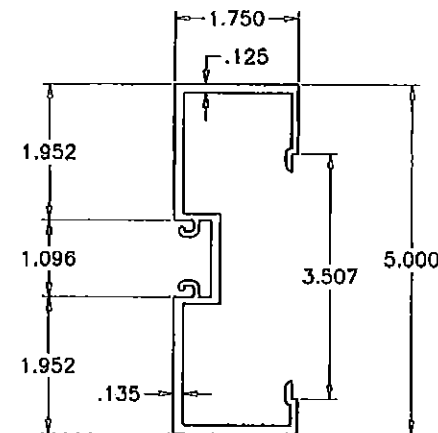
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sheet 3 of 5



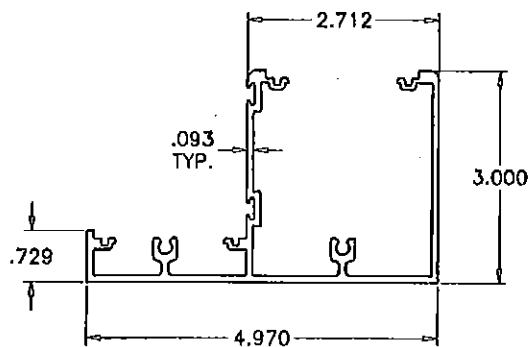
1 FRAME HEAD



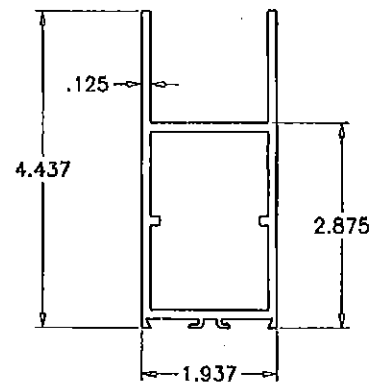
2 FRAME JAMB



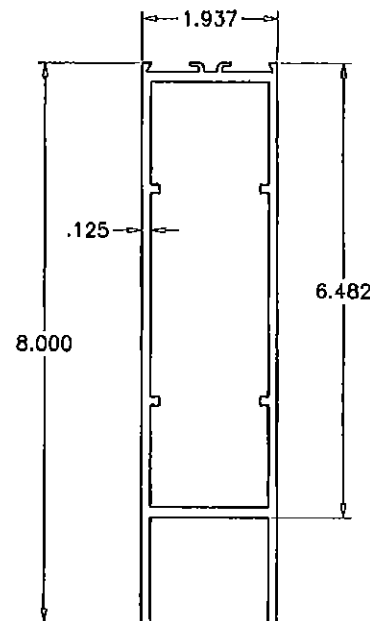
2A ALT. FRAME JAMB



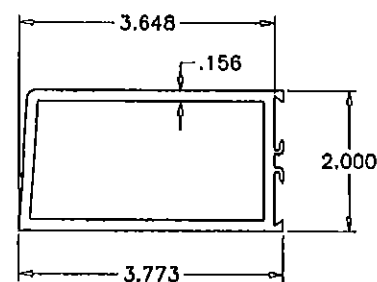
3 FRAME SILL



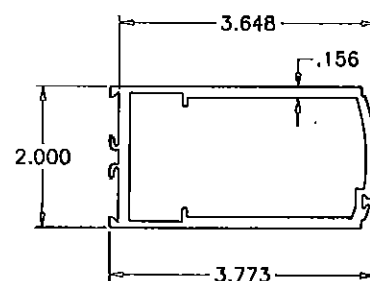
5 TOP RAIL



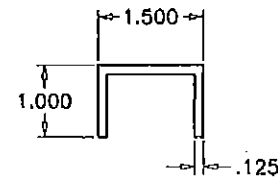
6 BOTTOM RAIL



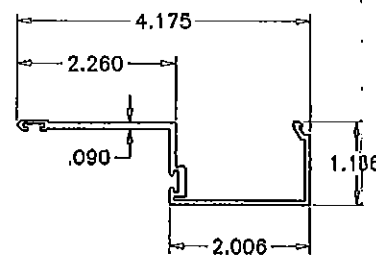
8 HINGE STILE



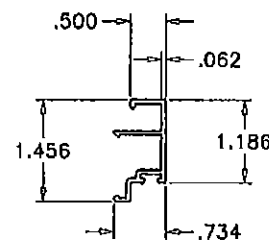
7 LOCK STILE



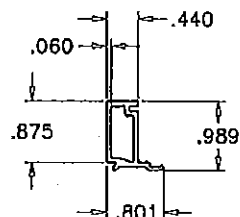
15 SHEAR BLOCK



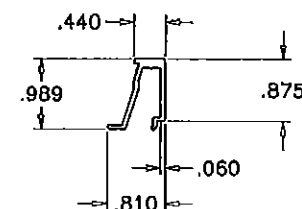
12 DOOR STOP JAMB



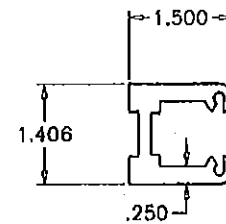
11 DOOR STOP JAMB



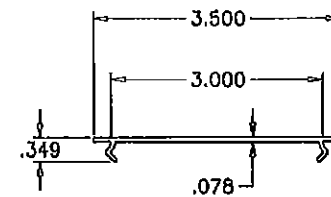
9 EXTERIOR GLASS STOP



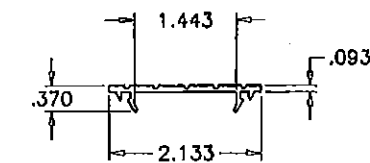
10 INTERIOR GLASS STOP



16 SHEAR CLIP



13 FLAT FILLER



4 SILL FILLER

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CIVIL
FLA. PE # 70592
C.A.N. 3538

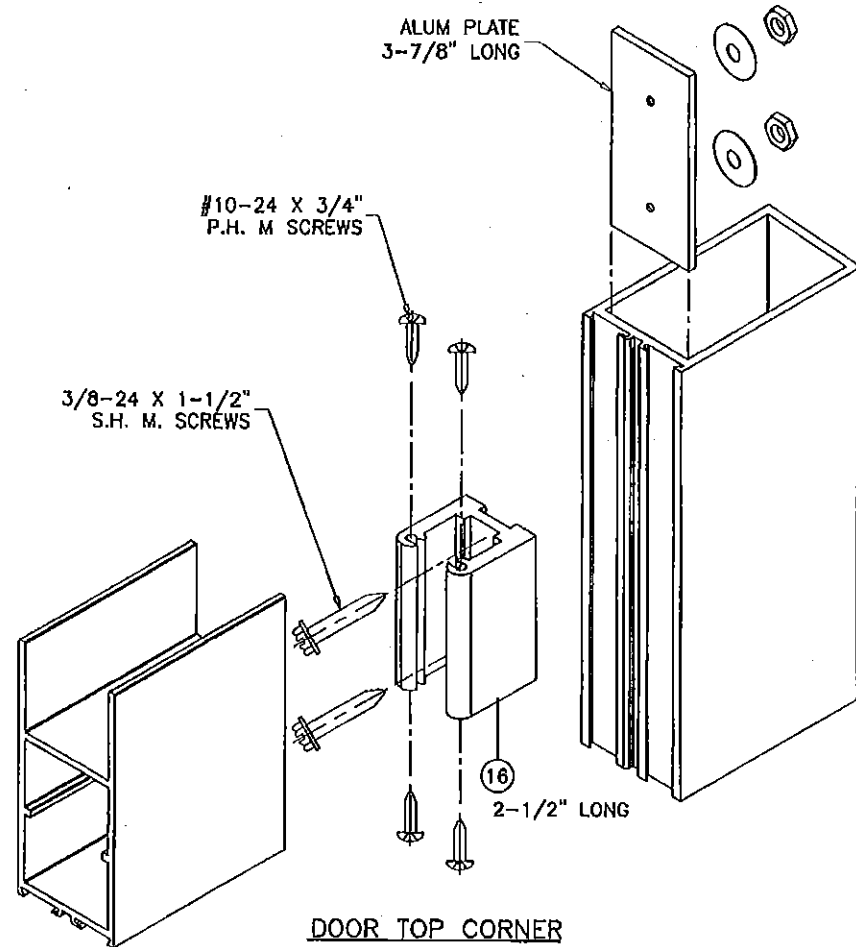
J.A.
APR 05 2012

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 15-0303.01
Expiration Date March 24, 2016
By *Manuel Perez*
Miami Trade Product Control

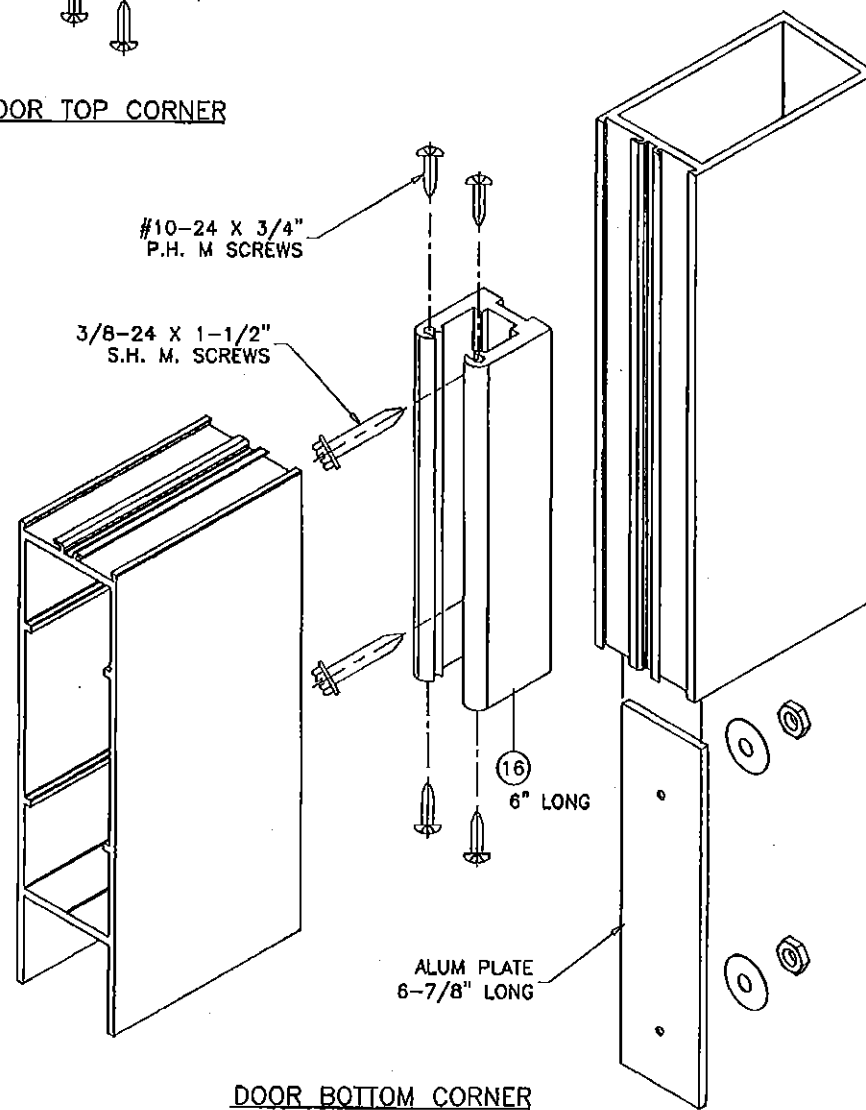
af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL W04-7200

Series 'BAL-350' Aluminum Out-Swing Door (L.M.I.)
US Aluminum
Division Of C.R. Laurence Co., Inc.
7500 N.W. 69TH AVE.
MIAMI, FL 33166
TEL (305) 888-0077 FAX (305) 884-3111

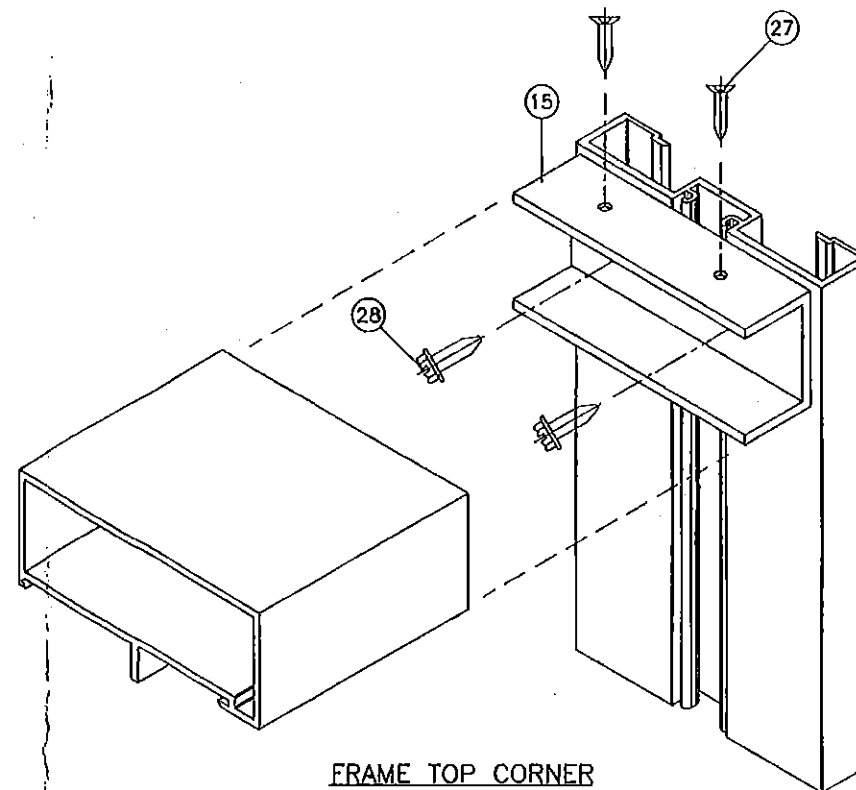
revisions:		description
no.	date	by
A	10.05.08	UPDATED FOR 2007 FBC
B	12.14.09	ENGR. NAME CHANGED
C	03.26.12	UPDATED TO 2010 FBC
date: 08-13-04		scale: 3/8" = 1"
dr. by: HAMID		chk. by:
drawing no.		W04-72
sheet 4 of 5		



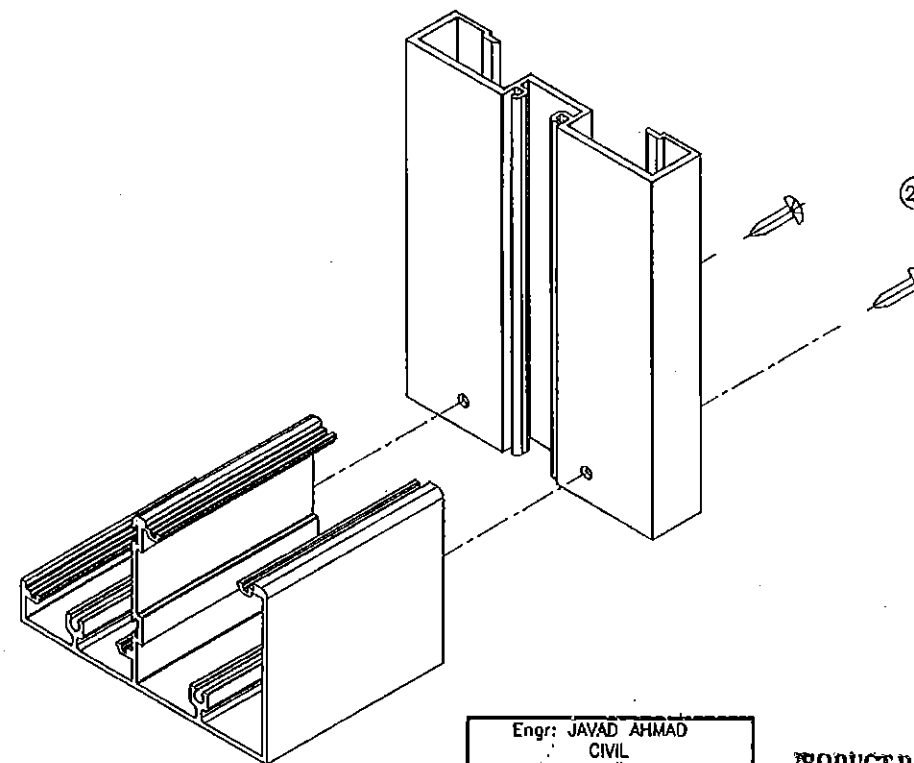
DOOR TOP CORNER



DOOR BOTTOM CORNER



FRAME TOP CORNER



PRODUCT REVISED FRAME BOTTOM CORNER
as complying with the Florida
Building Code
Acceptance No. 12-0405.08
Expiration Date 03/24/2016

By *Manuel Perez*
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

9
APR 05 2012

PRODUCT RENEWED
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Building Code
Acceptance No. 15-0303.01
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Miami Dade Product Control

af c

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TEL (305) 264-8100 FAX (305) 262-6978
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A	06.05.08		UPDATED FOR 2007 FBC
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date: 08-13-04
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drawing no.
W04-72

sheet 5 of 5